

K070713

MAY - 2 2007



**Tactile Technologies**

10 Plaut Str., Rabin Scientific Park  
Rehovot 76122, ISRAEL Tel: 08-9484740

**510(k) Summary:**

Implant Location Software-T (ILS-T)

**Company Name:**

Tactile Technologies Ltd.

**Contact Person:** Uriel Weinstein.  
Director of R&D

Telephone: +972-8-948-4740.

Fax: +972-8-948-4772

E-mail: [uriel@tactile.co.il](mailto:uriel@tactile.co.il)

**US Agent:** Thomas Gottenbos,  
27030 Malibu Hills Road  
Calabasas, CA 91301

Phone: (818) 444-3317

Fax: (818) 444-3400

E-mail: [tgottenbos@implantdirect.com](mailto:tgottenbos@implantdirect.com)

**Date prepared:** March 5, 2007

**Trade Name:** Implant Location Software-T.

**Classification name:** Picture archiving and communications system

**Class:** II

**Panel identification:** Radiological devices

**Product code:** LLZ

**Regulation number:** 882.2050



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**Predicate Device:** SimPlant System (Dr. James) from Materialise N.V cleared under 510(k) no. K053592.

**Device description:**

The Implant Location Software-T is a computer program (software) intended for use as an aid to the dental practitioners in the location of dental implants. The Implant Location Software-T-T (ILS-T) guides dental practitioners through the process of pre-operative planning their patients' dental implant surgery. Surgical templates may also be fabricated based on the output of the pre-operative planning. The system provides information but does not make any clinical decisions for the user.

The software is supplied on disk-on-key.

The Implant Location Software-T is designed to use images acquired from Computer Tomography (CT) scanners, present a graphical image of the planned implants as "virtual implants" on the CT images using DICOM interface standards, provide a summary report that gives planning information for the procedure, and allow user to consult on-line views of the plan during operation.

**Indications for Use:**

The Implant Location Software-T (ILS-T) is indicated for use by medically trained people as a software interface and image segmentation system for the transfer of imaging information from a CT scanner and as pre-operative software for simulating / evaluating dental implant positioning. Surgical templates may also be fabricated based on the output of the pre-operative planning.

**Substantial Equivalence:**

The Implant Location Software-T has the same intended use and the same principle of operation as the SimPlant System from Materialise N.V, Belgium, cleared under 510(k) no. K053592 and is therefore substantially equivalent to that device.

**Conclusion:**

**The evaluation of the Implant Location Software-T does not raise any additional concerns regarding safety and effectiveness and may therefore be considered substantially equivalent to the predicate devices.**



DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
9200 Corporate Blvd.  
Rockville MD 20850

Mr. Uriel Weinstein  
Director of R&D  
Tactile Technologies Ltd.  
10 Plaut St, Rabin Scientific Park  
Rehovot 76122  
ISRAEL

MAY - 2 2007

Re: K070713

Trade/Device Name: Implant Location Software-T (ILS-T)  
Regulation Number: 21 CFR 892.2050  
Regulation Name: Picture archiving and communications system  
Regulatory Class: II  
Product Code: LLZ  
Dated: March 7, 2007  
Received: March 14, 2007

Dear Mr. Weinstein:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.



*Protecting and Promoting Public Health*

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

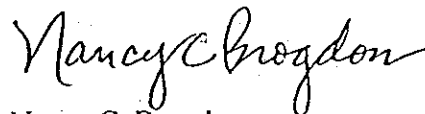
This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter:

21 CFR 876.xxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 894.xxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Nancy C. Brogdon  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K070713

Device Name: Implant Location Software-T (ILS-T)

Indications for Use:

The Implant Location Software-T (ILS-T) is indicated for use by medically trained people as a software interface and image segmentation system for the transfer of imaging information from a CT scanner and as pre-operative software for simulating / evaluating dental implant positioning. Surgical templates may also be fabricated based on the output of the pre-operative planning.

Prescription Use X  
(Part 21 CFR 801 Subpart D)

~~AND~~/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE  
OF NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Nancy Brogdon  
(Division Sign-Off)

Division of Reproductive, Abdominal,  
and Radiological Devices

510(k) Number

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